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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,732	07/16/2003	Michael Weiland	N0169 US	9034
37583	7590	10/31/2007	EXAMINER	
NAVTEQ NORTH AMERICA, LLC			TO, TUAN C	
425 West RANDOLPH STREET			ART UNIT	
SUITE 1200, PATENT DEPT			PAPER NUMBER	
CHICAGO, IL 60606			3663	
			MAIL DATE	DELIVERY MODE
			10/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.		Applicant(s)	
	10/620,732		WEILAND ET AL.	
	Examiner		Art Unit	
	Tuan C. To		3663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 August 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) 13 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12, and 14-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 16 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

Claims 1-12, and 14-21 are rejected under 35 U.S.C. 102 (b) as being anticipated by Tamai et al. (US 5902350A).

Regarding claim 1, Tamai et al. directs to a system/method for presenting lanes with a road database (see figure 7, map database 306) comprising: storing in the database data representation of physical road lanes (figure 7, map database 306 stores road data including attribute data, positional data, etc; figure 2a shows a segment of road with physical lanes retrieved from said database); and associating with each data represents a physical road data indicating start and end points of the represented physical road lane (figure 2a shows segment of data including start and end point; and data indicating what linearly extending physical features are adjacent to and extend along the represented physical road lane on a right side and a left side (figure 2a, 2b, and associated text in column 2, lines 41-65, the left turn lane 30 is a linearly feature adjacent to the road lane 24 and another lane on the left).

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As to claim 2, Tamai et al. shows in figure 2a that the left turn lane (30) located adjacent the road (24) and that the left turn lane can be entered by a lane change from the road (24).

As to claim 3, Tamai et al. also shows in figure 4a that the road adjacent to the road (52), which is the road (54) can not be entered by a lane change from the road (52) except for a U-turn.

As to claim 4, Tamai et al. shows that the left turn lane (30) adjacent to and extend along the road (24) that is less than full width and that becomes a physical road lane of full width immediately ahead in a direction of travel of the physical road lane (figure 2a, the left turn lane (30) becomes a full width immediately ahead in a direction of travel but it ends at the intersection with the road 26).

As to claim 5, Tamai et al. teaches that the left turn lane (30) ends entirely immediately ahead in a direction of travel of the left turn lane (30) (see figures 2a and 4a).

As to claim 6, Tamai et al. shows a shoulder located adjacent to the road (62) (figure 11a).

As to claim 7, the left turn lane (30) shown in figure (2a) is a drivable surface located adjacent to the road (24).

As to claim 8, there is shown in figure 3a the median (44) is a no drivable surface located adjacent to the road (38).

As to claims 9 and 11, the left lane shows in figure 2a represents a sublane of road lane (24), wherein said sublane includes start and end points which are relative to an end of the road (24).

As to claim 10, Tamai teaches a left turn lane and a right turn lane each includes data indicating start and end points (figure 2a includes a left turn lane, and figure 11a includes a right turn lane).

As to claims 12 and 14, figure 2a clearly shows the left turn lane (30) indicating a geometry of the road (24), wherein the geometry is represented using a spline.

As to claim 15, as set forth in column 5, lines 46-52, the data that represents physical road lane comprises a reference to at least one data entity used for navigation-related purposes that represents the road segment of which the physical road lane is a part.

As to claim 16, figure 2a shows the road with full width and the left turn lane is less than full width.

Regarding claims 17-21, Tamai et al. directs to a system/method for presenting lanes with a road database (see figure 7, map database 306) comprising: storing in the database data representation of physical road lanes (figure 7, map database 306 stores road data including attribute data, positional data, etc; figure 2a shows a segment of road retrieved from said database); and associating with each data representation of a physical road data indicating start and end points of the represented physical road lane (figures 2a, 2b, 3a, 3b, 4a, 4b shows segment of data including start and end point; and data indicating what linearly extending physical features are adjacent to and extend

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along the represented physical road lane on a right side and a left side (figure 2a, 2b, and associated text in column 2, lines 41-65, the left turn lane 30 is a linearly feature adjacent to the road 24; figure 9, the right turn lane 66 is adjacent to the main road 62).

Response to Amendment

In response to the applicant's arguments that Tamai reference fails to disclose a "road database" in which are stored "data representations of physical road lanes", "data indicating what linearly extending physical features are adjacent to and extend along the represented physical road lane on a right and a left side", and "data that represents sublanes". The argument is not persuasive. The map database (306) as shown in figure 7 and the associated text in column 6, lines 31-56, showing the data stores road attribute data identifying characteristics of roads, which are the physical lanes. Such the physical can be found in the figure (3a). The intersection (36) as shown in figure (3a) is stored in the map database of the storage medium (126), wherein said map database stores road attribute data identifying characteristics of roads, roads, places on the map, road features such as dividers, one-way restrictions, surface, speed limit, shape, elevation, etc., and data indicating what linearly extending physical features are adjacent to and extend along the physical road lane on a right side and a left side. For example, in figure 2a, and associated text in column 2, lines 41-65, the left turn lane 30 is a linearly feature adjacent to the road lane 24 on the right and another road lane on the left side). Tamai further discloses that the turn lane (30), which is a sub-lane of the physical lane (24), is retrieved from said database (figure 2a).

Claim 12 is not allowable, therefore, claim 13 cannot be rejoined.

Conclusions

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (571) 272-6985. The examiner can normally be reached on from 8:00AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878.

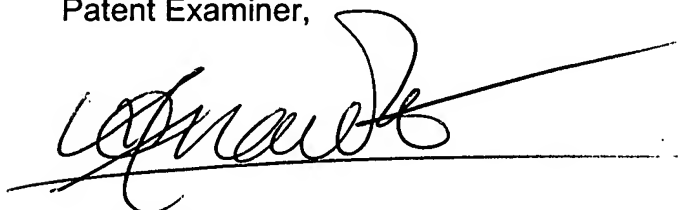
The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Patent Examiner,

A handwritten signature in black ink, appearing to read 'Tuan C To', is written over a horizontal line. The signature is stylized with a large, looping initial 'T'.

Tuan C To

October 19, 2007